

TRANSMUTING OF METALS CLAIMED

London Scientists Assert Big Discovery.

PRODUCE NEON AND HELIUM.

Read Papers Showing How Elements Have Been Changed or Else Matter Has Been Produced From Energy. Chemists Greet Revelation With Deep Wonderment.

At a meeting of the London Chemical society recently papers were read by Sir William Ramsay and Professors Norman Collie and H. Patterson, which assert that the authors have done one of two things. They have achieved clearly and definitely the transmutation of elements or they have evolved matter from energy.

At the outset of his paper Sir William referred to "the mild incredulity with which some years ago the scientific world received the announcement that he and Cameron had obtained lithium from copper." He then described further the experiments which resulted in the discovery. In gold X ray bulbs he had discovered helium.

The joint paper of Messrs. Collie and Patterson dealt with the discovery of the presence of neon in hydrogen after the passage of an electric discharge through hydrogen at low pressure. Their experiments carried Sir William Ramsay's work to the further point that both neon and helium had been produced from substances in which they were previously not known to be present.

Various Possibilities. There were various possibilities. It might be that the elements of the tube in electrolysis gave neon or helium under the influence of the discharge. This gave ten or a dozen elements to choose from as the source.

Again, there was a chance that hydrogen was the source, or it was possible that they were dealing with a primordial form of matter, the primordial atoms of which, when produced, had all the energy necessary for forming a world by the combination of these atoms.

Atoms of elements which will be found in helium and possibly in hydrogen were present in a nebular state, and they were present in the experimental tube. Possibly the electric current directed the flow of these atoms with the full force of its energy and, with the phenomena of heat and light, the elements came into existence.

At any rate, one thing seemed certain—elements could be changed, and they could be changed in a way very different from the way that radium was changed. In its case the process could neither be hastened nor retarded, but the present phenomenon was artificial, and a further progress was occurring at the other end of the system of atom producing elements of low atomic weight.

Old Ideas Corrected. The old idea of the transmutation of elements had to be altered. We are coming now to know more of subatomic matter, and it had to be realized that the old order changeth, yielding place to the new.

Professor Arthur Smithells began the discussion which followed the reading of the papers by saying that he was breathless at the announcements made. It required courage for scientific workers to bring forward such results. The obvious criticism was that in the experiment enormous weight was necessarily laid on the spectroscopic evidence, and his experience had taught him caution in this respect. He felt sure, however, that others were too experienced to fall into the pitfalls. He expressed his great gratification that other researchers had taken up the investigation.

In the hottest and most recently formed stars hydrogen, helium and possibly one or two other elements not known on the earth make their appearance, all of them being of light atomic weight. As the stars cool down the atoms become heavier, or, in other

words, you get synthesis of atoms. There is some process at work building up the atom that till now has never been realized experimentally, but in the experiments witnessed recently we were apparently assisting at the birth of the atom.

WILL LOCATE SHIPS DAILY.

Navy Department Has Plan to Chart Vessels on Atlantic.

The navy department is perfecting plans to chart about noon each day the position of every ship on the Atlantic which carries a wireless outfit.

The chart will be posted at the Maritime Exchange, in New York. It will be of great value because the Arlington station is powerful enough to get reports easily from across the Atlantic. Ships with smaller outfits can communicate with those carrying strong batteries, and these will report to New York or via the Arlington station.

Admiral Andrews of the bureau of navigation said commercial bodies had tried to make such a chart, but it was manifest that the facilities of the navy department were necessary to get word from all the steamships on the Atlan-

PLEASE DON'T—

- Go into closets looking for clothing with a lighted match.
- Kindle fires in stoves with kerosene.
- Put hot ashes and coal in wooden barrels or boxes.
- Thaw out frozen water pipes with a torch or lamp.
- Allow waste paper, excelsior and rubbish to collect.
- Use gasoline for cleaning in a closed room.
- Look for gas leaks with a match or lamp.
- Allow lace curtains near gas brackets.
- Allow oily rags near stoves or about the premises.
- Allow sawdust to be used on floors.
- Throw waste paper on a fire in a fireplace.
- Throw cigarettes or cigars away if lighted.
- Keep matches in paper boxes or lying about carelessly.
- Hang your clothing near open fires or stoves.
- Use snapping parlor matches. Taboo them.
- Fill lamps after dark and never when lighted.
- Allow rubbish in hallways or on fire escapes.
- Burn leaves and dead grass on windy days.
- Forget to have the chimneys of your home cleaned each year.
- Forget that matches are the beginning of many conflagrations.
- Fail to look twice at everything that looks like fire.
- Fail to notify the chief of the fire department of anything you may see that is dangerous and liable to cause fire, remembering that every day is fire prevention day.

SPAIN SEEKS RETURN OF JEWS SHE ONCE EXPELLED.

Nation Offers Asylum En Bloc to People In Saloniki.

Advances showing a strong desire on the part of the Spanish government to attract back to Spain the Sephardic Jews of Turkey, whose ancestors were driven out of Spain centuries ago, are described in the American Hebrew's account of a recent visit of the Marquis de Nantouillet, the Spanish minister of Constantinople, to the Chief Rabbi Nahoum.

The Spanish minister expressed to the chief rabbi his regret that M. Nahoum had not invoked the protection of the Spanish government for the 70,000 Judios Espanoles at Saloniki, as well as that of the British and French ambassadors. The marquis added that if the Jews had suffered through the inquisition it should not be forgotten that Spain, too, had suffered heavily from the consequences of the acts committed centuries ago. Official Spain as well as the people, he said, were anxious to repair the great crime of their ancestors, which they felt was the blackest in their history.

The chief rabbi replied that he was deeply touched by the action of the minister and that the fresh advances made by him could not fail to produce an excellent impression on the Jews of the east.

HOW RUSSIAN GOT LIFE SENTENCE

Soldier Appeals to Czar and Is Imprisoned.

MERELY OFFERED PETITION.

Details of Brutal Oppression of Soldier Who Sought Leave to Aid Family Come to Light—Is Charged as Would Be Assassin and Convicted—Tales of Cruelty in Dungeon Are Told.

Cable dispatches recently reported the case of a Russian soldier who tried to hand a petition to the czar while he was reviewing the troops on the field of Khodinka, near Moscow. The soldier was arrested, tried and sentenced to imprisonment for this offense. The full details of the case have just become public now and are found in the indictment presented before the court which found the soldier guilty and sentenced him to the galleys for life.

The name of the soldier is Gregory Bakhurin. On Oct. 23, 1912, Bakhurin was tried in Smolensk. The trial was conducted behind closed doors, but a copy of the indictment found its way into some of the Russian newspapers, and the case attracted much attention.

Last summer while the emperor was reviewing the troops on the Khodinka field Bakhurin, who was a private in the Sophisky regiment, ran out of the line and tried to hand a petition to the emperor. Some of the officers made an attempt to stop Bakhurin, but he eluded them and rushed up to the emperor, holding the petition in his hand. The document was taken from him by one of the Cossacks.

Is Described as Assassin.

At the trial the minister of war, General Sukhaminov, the commander of the Warsaw district, General Scalon and Colonel Tkachenko of the Sophisky regiment gave their testimony. According to their statements Bakhurin left the line suddenly, holding his gun in his right hand and running directly toward the emperor. While thus running he drew from his pocket a paper and raised it in his left hand.

The minister of war on noticing this rushed over to the soldier and caught hold of the collar of his blouse. Bakhurin commenced to struggle. Bakhurin, according to the general's testimony, was greatly agitated, and he kept repeating:

"Let me go to the czar!"

Having torn himself away from the minister of war, Bakhurin ran off in the direction of the czar's suit. Then General Scalon galloped over to Bakhurin and, seizing him by the left hand, ordered him to hand over the petition, but Bakhurin insisted that he must give it himself to the czar, and he tore himself away from General Scalon's grasp.

In the meantime other officers rushed over to Bakhurin, and Colonel Tkachenko succeeded in taking the gun away from Bakhurin. The colonel testified that he had to make an effort in order to get the gun away. He explained, however, that the soldier in all probability clutched the weapon instinctively.

Bakhurin was kicked by the colonel's horse and fell to the ground. But he jumped up quickly and ran off again. Stopping in front of the emperor's horse, he knelt and stretched out the hand in which he held his petition.

Wanted to Aid Family.

A Cossack hurried over to the soldier and took the petition from his hand. In his petition Bakhurin begged the czar to free him from military service on account of misfortunes that had befallen his family and added that he was the only support of the family.

The officers and soldiers of his regiment testified that Bakhurin was known among them as a rather intelligent and religious man, but that he was always uncommunicative and taciturn.

The soldier himself testified that he knew he had no right to do what he did, but he thought the emperor would forgive him and would grant the request which he made in his petition.

Bakhurin was deprived of all rights and was sentenced to imprisonment for life at hard labor.

A letter smuggled past the authorities from the prison of Oryol, where this man is held, tells of awful brutalities. The writer declares that prison guards daily beat the inmates insensibly with keys and that the latter are starved and held in chains.

SEEDLESS GRAPEFRUIT NEXT.

Two Trees in Steel Cages to Keep Off Thieves.

James H. Goggett, an orange grower of Oroville, Cal., backed by a syndicate, has gained control of two trees which bear navel grapefruit and will make an effort to make the new citrus product commercially popular.

The fruit is a cross between a navel orange and a grapefruit. Steps will be taken to propagate the fruit on a large scale, and steel cages will be built around the trees to prevent buds from being stolen.

Breaks Record on Maiden Trip.

The new steamer Lenape, which left New York recently on her maiden voyage to Charleston, arrived in the record time of 30 hours and 38 minutes. The fastest previous run was made by the Mohawk in 45 hours.

WILL STUDY TROPICAL ILLS.

Harvard University Starts New Medical Department at Boston.

Harvard university has just established in its medical school in Boston a department of tropical medicines for the purpose of carrying on research in tropical diseases and to give instruction to medical students who expect to take positions in the tropics. The department is a pioneer in this field. At its head is Dr. Richard Pearson Strong, formerly an army surgeon, noted for his investigations into the bubonic plague, the pneumonic plague, the yaws and other diseases peculiar to the tropics.

The department starts with a five year guarantee of sufficient funds, and it is expected that within that time it will have so demonstrated its importance and serviceableness as to become a permanent part of the medical school. Dr. Strong will have the various scientific departments of Harvard university to call upon in his researches, not only those of the medical school, but the great equipment of the Bussey institution, where microscopic life is studied under the most favorable circumstances and of the university museum.

WANTS HORSE SENT BY POST.

Colored Man Applies at Postoffice For Animal He Had Ordered.

While Postmaster Creed of Hermitage, Ark., was having one of his busiest hours at the office, a long, lanky, "keen headed" negro appeared before the delivery window. An anxious expression mantled his face.

"Boss," he queried, "Ah sent \$20 foh uh hawse. Has yo' got 'im?"

"No; this is no livery stable," replied the postmaster.

"Ah knows dat, boss, but ain' he hyah? He's s'pose to come by de passul pos', sah."

"No; I haven't seen your horse," said the postmaster, "but if one of the boys should happen to shake him out of a mail bag, I'll tie him up in here and let you know."

And the negro went away shaking his head doubtfully, his confidence in the parcel post sadly shaken.

NERVES ACT AS WIRELESS.

Deaf Telegrapher's Comrades Tap Messages on His Temples.

James Gallaher, a Western Union operator of St. Louis, who was injured by a fall on the ice a few weeks ago and as a result lost his hearing and had his eyesight seriously impaired, has evolved a novel way of talking with his friends.

Every day some of his former office associates call to see him and talk with him by means of the Morse code, tapping on his temples.

Mr. Gallaher's son, who is also an operator, first thought of this plan whereby his father has been able to keep track of the news of the day. Gallaher says that he is able to read with ease the code messages sent to his brain through the nerve tappings.

For Sale

Large Dairy and Hay Farm

GOOD SUMMER RESORT.

The Buy-U-A-Home Realty Company has just listed one of the finest and best-known farms in Wayne county. It is located in the heart of the summer boarding business, in Wayne's highlands. The property consists of 325 acres and is well watered both by creeks and springs. A most beautiful natural lake, consisting of 15 acres, is one of the attractive sheets of water in Preston township. Ideal for the location of summer cottages. The farm is 2 1/2 miles from the Lakewood station on the Ontario & Western railroad, three miles from Poyntelle on the same road and two miles from Como. Of the 325 acres 275 are under good state of cultivation, consisting of meadows, plow ground and well-watered pasture fields. The balance are in maple, beech and birch timber. This farm is especially adapted to raising hay and for dairying.

There are four dwellings and cottages upon the premises. Dwelling No. 1 will accommodate from 40 to 50 guests. Near this house is a never-failing spring for domestic use. The second cottage contains nine rooms. Good water. Small barn near house. Home No. 3 is a very good seven-room cottage furnished with water by one of the best springs in Wayne county. Cottage No. 4 is near beautiful natural spring lake, which consists of about 15 acres. The above mentioned places are located in an ideal summer boarding district visited every year by boarders from Philadelphia, New York, Scranton and other cities. Other cottages could be built on the border of this lake.

Situated upon the premises is a laundry, coal and wood house combined, size 20x60 feet. The second floor is equipped for holding entertainments, etc.

The barns are as follows: Horse barn 26x56 feet, with running water; hay barn 26x36, with two cow sheds attached 20x50 feet. One building with scales and wagon house with underground stable for cows. One good blacksmith and carriage shop, with second story for storage. Chicken houses, capacity for 200. Barn No. 4 situated near House No. 3, size 30x40 feet, two sheds for cattle, with good spring water. Two other hay barns, size 26x36 feet, and 18x20 feet.

There are three apple orchards on the farm and a small fruit orchard. The property will be sold for a reasonable consideration and upon easy terms.

Consult Buy-U-A-Home Realty Co., Box 52, Jadwin Building, Honesdale, Pa.

Wayne Common Pleas: Trial List

1. Kordman vs. Denio.
2. Selick vs. DeBreun.
3. Wilcox vs. Mumford.
4. Hittinger vs. Erie R. R. Co.
5. Wayne Concrete Supply & Con. Co. vs. Cortright.
6. Kreitner vs. Cortright.
7. Mead vs. Starrucca Borough.
8. Leonard vs. Starrucca Boro.
9. Spangenberg vs. Wayne Coal Co. vs. Cortright.
10. Garety vs. Columbian Protective Association.
11. Congdon vs. Columbian Protective Association.
12. Cromwell vs. Weed.
13. Jordan vs. Lake Lodore Imp. Co.
14. Gausser vs. Rohrhuber.
15. Leine vs. Home Ins. Co.
16. Leine vs. German Alliance Ins. Co.
17. Leine vs. Ins. Co. of State of Pa.

18. Leine vs. Fire Assn. of Phila.
 19. Leine vs. Svea Fire & Life Ins. Co.
 20. Noble vs. Gianville.
 21. Redington vs. Lake Lodore Imp. Co.
- W. J. BARNES, Clerk.
Honesdale, Pa., Feb. 20, 1913.

Suffering Men & Women. Health is Wealth, the GERMAN TREATMENT is the only cure for all ailments of the blood. It is a scientific combination of the Allopathic, Homoeopathic, Hygienic & Botanical Systems of Medicine. ALONE Cures after Others Fail. Nervous, Heart, Stomach, Liver, Blood, Skin, Headache, Rheumatism, Catarrh, Throat, Hoarse, Open Sores, Ulcers, Dropsy, Drops, Retention of Urine, etc. Successful Fall Treatment. **OLD DR. THEEL**, 1719 SPRING GARDEN ST., Phila., Pa., 47 Years Practitioner. Send for Book, a Revelation to the Sick. Exposes Advertising Quacks & Medicine Sharps.

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No Water to freeze. No pipes to burst.
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Less Gasoline. More Power.

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It's a dandy. Better look it over.
REO OVERLAND and FORD AUTOMOBILES.

No better cars made for anywhere near the price. Place your order right now.
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1871 FORTY-ONE YEARS OF SUCCESS 1912

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Honesdale, Pa.

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THE PROOF

We lead in CAPITAL STOCK.....	\$ 200,000.00
We lead in SURPLUS and UNDIVIDED PROFITS	372,862.00
We lead in TOTAL CAPITALIZATION	572,862.00
(Our CAPITALIZATION is the DEPOSITORS SECURITY)	
We lead in Deposits	2,463,348.60
We lead in TOTAL RESOURCES.....	3,040,099.22

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MANY BANKS have come and gone during that period. PATRONIZE one that has withstood the TEST OF TIME.

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Nov. 12, 1912.

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Jacket Suits, Junior, Misses and Ladies' separate Skirts, Newest cuts.

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